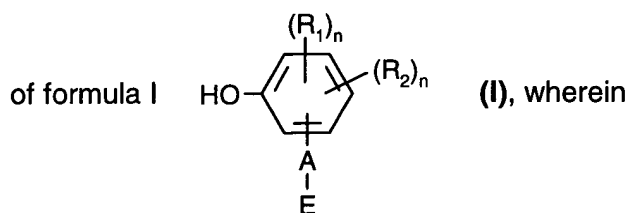


IN THE CLAIMS

Kindly amend the claims to read as follows.

1. **(currently amended)**: A process for stabilising and at the same time phase compatibilising plastic compositions comprising at least two different polymers by incorporating polymeric compounds ~~obtainable~~obtained by reacting a ~~compound selected from the group consisting of the~~ sterically hindered phenols which contain at least one reactive group, with the compatibiliser compound which is a polymer containing acid groups, acid anhydride groups, ester groups, epoxy groups or alcohol groups or which compatibiliser compound is a copolymer or terpolymer of ethylene, propylene, vinyl acetate or styrene with acrylic acid.

2. **(original)**: A process according to claim 1, wherein the sterically hindered phenols are compounds



R₁ and **R₂** are each independently of the other hydrogen, C₁-C₂₅alkyl, phenyl-C₁-C₃alkyl which is unsubstituted or substituted once or several times at the aromatic ring by OH or/and C₁-C₄alkyl, unsubstituted or C₁-C₄alkyl-substituted C₅-C₁₂cycloalkyl, or phenyl;

n is 1, 2 or 3;

E is OH, SH, NHR₃, SO₃H, COOH, -CH=CH₂, $-(CH_2)_m-\text{CH}-\text{CH}_2$ or $-\text{P}(=\text{O})(\text{OH})-\text{R}_4$;

m is 0 or 1;

R₃ is hydrogen or C₁-C₉alkyl;

R₄ is C₁-C₁₂alkyl, or phenyl which is unsubstituted or substituted by one or several C₁-C₄alkyl, halogen or/and C₁-C₁₈alkoxy;

A if E is OH, SH or -CH=CH₂, is -C_xH_{2x}-, -CH₂-S-CH₂CH₂-,
-C_qH_{2q}-(CO)-O-C_pH_{2p}-, -C_qH_{2q}-(CO)-NH-C_pH_{2p}- or -C_qH_{2q}-(CO)-O-C_pH_{2p}-S-C_qH_{2q}- ;

x is a number from 0 to 8;

p is a number from 2 to 8;

q is a number from 0 to 3;

R₁ and **n** are as defined above; or

A if E is -NHR₃, is -C_xH_{2x}- or -C_qH_{2q}-(CO)-NH-C_pH_{2p}-, wherein x, p and q have the meanings cited above; or

A if E is COOH or SO₃H, is -C_xH_{2x}-, -CH₂-S-CH₂- or -CH₂-S-CH₂CH₂-, wherein x has the meaning cited above; or

A if E is $\text{---}(\text{CH}_2)_m\text{---}\overset{\text{O}}{\text{CH}}\text{---CH}_2$, is a direct bond, -C_qH_{2q}-(CO)_m-O-CH₂- or -C_xH_{2x}-S-CH₂-, wherein q, m, x, R₁ and R₂ are as defined above;

A if E is $\text{---}\overset{\text{O}}{\underset{\text{OH}}{\text{P}}}\text{---R}_4$, is -CH₂-.

3-8. (cancelled).

9. (currently amended): . A process according to claim 1, wherein the compatibiliser compound is a polymer with acrylic acid (AA) ~~function~~, Glycidyl methacrylate (GMA) ~~function~~, methacrylic acid (MAA) ~~function~~, maleic anhydride (MAH) ~~function~~ or vinyl alcohol (VA) ~~function~~ wherein the formed polymer has unreacted acid, glycidyl, anhydride or alcohol functionality.

10. (currently amended): A process according to claim 1, wherein the compatibiliser compound is a copolymer ~~which is~~ of ethylene acrylic acid (PE-AA), ethylene glycidyl methacrylate (PE-GMA), ethylene methacrylic acid (PE-MAA) or ethylene maleic anhydride (PE-MAH) or a terpolymer of ethylene and vinyl acetate with acrylic acid or a terpolymer of ethylene and ~~acrylates~~ acrylate with acrylic acid.

11. (previously presented): A process according to claim 1, wherein the compatibiliser compound is a grafted polyethylene or polypropylene copolymer selected from the group consisting of maleic anhydride grafted to polyethylene vinyl acetate (MAH-g-PE-vinyl acetate), maleic anhydride grafted to low density polyethylene (MAH-g-LDPE), maleic anhydride grafted to high density polyethylene (MAH-

g-HDPE), maleic anhydride grafted to linear low density polyethylene (MAH-g-LLDPE), acrylic acid grafted to polypropylene (AA-g-PP), glycidyl methacrylate grafted to polypropylene (GMA-g-PP), maleic anhydride grafted to polypropylene (MAH-g-PP), maleic anhydride grafted to ethylene/propylene terpolymer (MAH-g-EPDM), maleic anhydride grafted to ethylene/propylene rubber (MAH-g-EPM) and maleic anhydride grafted to polyethylene/polypropylene copolymer (MAH-g-PE/PP).

12. **(previously presented)**: A process according to claim 81, wherein the compatibiliser compound is a grafted styrene co- or terpolymer selected from the group consisting of styrene/acrylonitrile grafted with maleic anhydride (SAN-g-MAH), styrene/maleic anhydride/methyl methacrylate, styrene/butadiene/styrene block copolymer grafted with maleic anhydride (SBS-g-MAH), styrene/ethylene/propylene/styrene block copolymer grafted with maleic anhydride (SEPS-g-MAH), styrene/ethylene/butadiene/styrene block copolymer grafted with maleic anhydride (SEPS-g-MAH) and acrylic acid/polyethylene/polystyrene terpolymer (AA-PE-PS-terpolymer).

13. **(previously presented)**: A process according to claim 81, wherein the compatibiliser compound is a vinyl alcohol copolymer.

14. **(cancelled)**.

15. **(original)**: A process according to claim 1, wherein the polymers to be stabilised are recycled material.

16-17. **(cancelled)**.